



DP9280-Desktop Barcode Scanning Platform

Features:

Technology

Proprietary core technology developed in-house;
Supports custom development per client requirements.

Compatibility

Fast decoding of both screen-displayed and paper barcodes;
One device meets various scanning needs.

Prompt Switching

Sound tone can be adjusted based on user preferences.

User-Friendly SDK

Simple and intuitive SDK provided for fast integration and debugging;
Saves development time for engineers.

Comprehensive Barcode Support

Supports all mainstream 1D and 2D barcodes on the market;
Custom decoding and standard OCR character set recognition available.

1D/2D Mode Switching

Quickly switch to 1D-only mode to avoid misreads of unwanted barcodes.

Application Scenarios

Retail stores, tobacco checkout counters, self-service checkout terminals in supermarkets, embedded systems integration, etc.

DP9280 Scanning Platform Specifications

Scanning Performance	Image Sensor		1280*800 CMOS	
	Illumination	Illumination	(Illumination) Red color LED	
		Aiming Light	Infrared sensor	
	Supported Symbologies	2D	PDF417, Micro PDF417, Data Matrix, QR Code, Micro QR, AZTEC, Maxicode	
		1D	Interleaved 2 of 5, ISBN, Code 93, Code 11, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Industrial 2 of 5, Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Standard 2 of 5, MSI-Plessey, GS1 composite code, etc	
	Minimum Resolution		1D \geq 4mil 2D \geq 6mil	
	Typical Depth of Field		EAN13 13il	0-330mm
			EAN13 5mil	0-130mm
			Code 128 5mil 8bit	0-150mm
			QR 20mil 11bit	0-210mm
			Code39 13mil 9bit	0-330mm
			Mobile payment barcode(Screen)	0-650mm
	Print Contrast		\geq 20%	
	Barcode Sensitivity		Pitch \pm 55°, Skew \pm 55°, Roll 360°	
Field of View		Horizontal: 56°, Vertical: 37°		
Motion Tolerance		2 meters/second		
Frame Rate		120 fps (typical)		
Mechanical & Electrical Parameters	Interface		USB HID, USB COM (optional physical serial port)	
	Dimensions (mm)		154 × 170 × 98 (L × W × H)	
	Weight		Approx. 606g (device + data cable)	
	Working Voltage		5V DC	
	Current Draw		Approx. 254mA	
	Power Consumption		1.27W	
Environmental Parameters	Operating Temperature		-20°C ~ +60°C	
	Storage Temperature		-40°C ~ +70°C	
	Operating Humidity		5%~95% (non-condensing)	
	Ambient Light Tolerance		0~100,000LUX	
Thermal Shock Resistance	Maximum Temp		60 °C (140 °F)	
	Minimum Temp		-20 °C (-4 °F)	

	Cycle Duration	30 minutes high temp, 30 minutes low temp
	Number of Cycles	24

Test Conditions

- *Standard Conditions:* Ambient temperature = 23°C; Ambient illumination = 300 LUX incandescent light; using custom test sample barcodes.
- **Test Conditions for DOF:** Test distance = (minimum DOF + maximum DOF) / 2; 2D: QR CODE, 10 Bytes, minimum element width = 15 mil, PCS = 0.8.

Note: Specifications are subject to change without prior notice.